

Presenters

Michelle Mack

Michelle Mack is a Professor of Ecosystem Ecology in the Center for Ecosystem Science and Society and the Department of Biological Sciences at Northern Arizona University. She is also a Research Professor at the University of Alaska Fairbanks and is the new director of the NSF-Funded Bonanza Creek LTER program. Her research addresses the impacts of changing climate and disturbances regimes on ecosystem carbon dynamics in boreal forest and Arctic tundra ecosystems and net feedbacks of regional change to the climate system



Jill Johnstone

Formerly a professor in the Department of Biology, University of Saskatchewan (Canada), Dr. Jill Johnstone conducts research in the areas of northern plant ecology and environmental biology. Her research combines field measurements and experimentation with statistical modeling to examine plant community responses to disturbance across environmental gradients. She is particularly interested in the role of disturbance in catalyzing ecosystem responses to environmental change.



Brendan Rogers

Dr. Brendan Rogers is an Associate Scientist at the Woodwell Climate Research Center in Falmouth, Massachusetts. He studies the impacts of boreal forest fires on vegetation, carbon, and climate, including the implications for policy and management. Dr. Rogers uses a variety of techniques including field observations, satellite remote sensing, and statistical and mechanistic models. He has a M.S. in Environmental Sciences from Oregon State University and a Ph.D. in Earth System Science from the University of California, Irvine.



Carly Phillips

Carly Phillips is an ecosystem scientist who studies wildfires, carbon, and climate change. She is currently based at the Pacific Institute for Climate Solutions (PICS) at University of Victoria in BC and previously worked with the Union of Concerned Scientists and Woodwell Climate Research Center. She received a PhD in ecology from the University of Georgia and a BA in biology from Occidental College.

**Peter Frumhoff**

Peter C. Frumhoff is Director of Science and Policy and Chief Climate Scientist at the Union of Concerned Scientists (UCS). He ensures that UCS brings robust science to bear on their efforts to strengthen public policies, with a particular focus on climate change. A global change ecologist, Dr Frumhoff has published widely on the regional impacts of climate change, the role of tropical forests and land-use in climate mitigation, the climate attribution of extreme weather events, the climate responsibilities of fossil fuel companies, the societal responsibilities of solar geoengineering researchers and the water demands of energy in a changing climate. Dr. Frumhoff was the 2014 Cox Visiting Professor in the School of Earth Sciences at Stanford University. Previously, he taught at the Fletcher School of Law and Diplomacy, Harvard University and the University of Maryland, and was an AAAS Science and Diplomacy Fellow at the US Agency for International Development. He received a PhD in ecology and MA in zoology from the University of California at Davis, and a B.A. in psychology from the University of California at San Diego.



Robert Ziel

Fire Analyst, Alaska Fire Science Consortium,
University of Alaska Fairbanks.

Fire Analyst, Wildland Fire Manager, Forester.
Nationally qualified as a Fire Behavior Analyst (FBAN),
Long Term Fire Analyst (LTAN), and Strategic
Operational Planner (SOPL). 4 years as the analyst at
the Alaska Interagency Coordination Center. 3 years as
coordinator for the Lake States Fire Science
Consortium. 34 years with the Michigan Department of
Natural Resources.

**Chris Moore**

Chris Moore - Fire Analyst Alaska Interagency
Coordination Center, Fairbanks, Alaska. Chris worked
for the National Park Service for 10 years before
moving to Alaska in 2007 to work at Alaska Fire Service
as a Fire Specialist. In 2020 Chris became the Fire
Analyst at the Alaska Interagency Coordination Center.
He is qualified as a Long-Term Analyst and Fire
Behavior Analyst and is the primary Fire Behavior
Analyst with the Alaska Incident Management Team

**Shannon McClenahan**

Shannon McClenahan is an Environmental Health
Specialist with Tanana Chiefs Conference and the US
Public Health Service. Shannon holds a Bachelor's
degree in Environmental Health Science from Baylor
University. Before coming to Alaska in November 2019,
she spent 2 years as a fellow at CDC's National Center
for Environmental Health. Tanana Chiefs Conference's
Office of Environmental Health provides routine and
project-related services in TCC villages related to a
variety of environmental health topics including: drinking
water & wastewater, emergency management, healthy
homes, institutional environmental health, solid waste
management, and training.



Mark E. Smith

Mark Smith, the air quality meteorologist with the Monitoring and Quality Assurance Program, a Division of Air Quality at the Department of Environmental Conservation in Anchorage, Alaska. As of May, he's going on his fifth year with DEC. Mark served 20 years in the United States Air Force as an operational forecaster/meteorologist. His last duty station was Camp Blanding in Starke, Florida, where he served as lead weather instructor for the 131st Training Flight.

Rachel Loehman

Dr. Rachel Loehman is a Research Landscape Ecologist with the US Geological Survey. Her research focuses on long-term climate, fire, and ecosystem dynamics, human-environment interactions, and fire effects on natural and cultural resources.

**Sheila Dufford**

Sheila Dufford works as a Wildlife Biologist/GIS Specialist for the Yukon Flats National Wildlife Refuge. She has been analyzing and managing spatial data for the refuge since 2004. She also provides GIS assistance to all three Fairbanks based refuges and the Fairbanks Fish & Wildlife Service staff.

